



# Personal System/2 Facts and Features

*March 1991*

# PS/2 it!

**Includes the  
PS/2 Laptop  
Model L40 SX**

Use this handy reference to make quick comparisons of IBM Personal System/2® models—and check their options, too. It presents basic facts and features—as well as attachment cards and enhancement products—for the entire PS/2® family.



## Personal System/2 model comparisons

### Personal System/2 Model

#### Machine numbers

#### Processor

Co-processor (optional)  
Speed (MHz)

Memory cache

#### Bus architecture

Data path

#### User memory (RAM)<sup>2</sup>

Standard—maximum on system board

System maximum (addressable)

#### Integrated functions

Parallel/serial/pointing device ports

Graphics

Display port

Built-in display

Disk/diskette controller

SCSI

Network adapter

Key lock

Clock/calendar

Security password

#### Diskette drives, 3.5-inch

Capacity/maximum number supported

#### Fixed disk storage

Standard—maximum (MB)

Average seek time

#### Expansion slots (available)

#### Power supply

#### Operating systems

DOS

Operating System/2®

AIX® Personal System/2

#### 25

8525-001, -004,  
-G01, -G04, -L01, -L04

8086

8087

8

None

PC

8-bit

512KB–640KB  
640KB (-L01, -L04)  
640KB

Yes

MCGA

No

Yes

Yes

No

Optional

Yes

No

No

720KB/2

0–20

80ms

2<sup>6</sup>

90-watt (-001, -G01, -L01)  
115-watt (-004, -G04, -L04)

3.3, 4.0

No

No

#### 25 286

8525-006, -G06,  
-036, -G36

80286

80287

10

None

AT®

16-bit

1MB–4MB

16MB<sup>3</sup>

Yes

VGA

No

Yes

Yes

No

Optional

Yes (-036, -G36)<sup>4</sup>

Yes

Yes

1.44MB/2 (-006, -G06),  
/1 (-036, -G36)

0–30 (-006, -G06)<sup>5</sup>  
30 (-036, -G36)

27ms (30MB)

2<sup>6</sup>

124.5-watt

3.3, 4.0

SE, EE 1.2, 1.3

No

#### 30 286

8530-E01, -E21, -E31

80286

80287

10

None

AT

16-bit

1MB–4MB

16MB

Yes

VGA

Yes

No

Yes

No

Optional

Yes

Yes

Yes

1.44MB/2 (-E01),  
/1 (-E21, -E31)

0–30 (-E01)<sup>5</sup>  
20 (-E21)  
30 (-E31)

39ms (30MB)  
27ms (20MB)

3

90-watt

3.3, 4.0

SE, EE 1.2, 1.3

No

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<sup>1</sup>Processor upgrade (-A61, -A21).

<sup>2</sup>128KB of this memory is reserved for hardware system use on Models 55 SX, 55 LS, P70 386, 70 386, 70 486.

<sup>3</sup>Achieving this configuration requires installation of non-IBM memory cards.

<sup>4</sup>Secures fixed disk only.

<sup>5</sup>Second diskette drive and fixed disk are mutually exclusive.



L40 SX	50 Z	55 SX	55 LS	65 SX	P70 386
8543-044	8550-031, -061	8555-031, -061	8555-LT0, -LE0	8565-061, -121, -321	8573-031, -061, -121
80386SX Socket 20	80286 80287 10	80386SX™ 80387SX 16	80386SX 80387SX 16	80386SX 80387SX 16	80386™ 80387 16 (-031) 20 (-061, -121)
None	None	None	None	None	None
AT 16-bit	Micro Channel® 16-bit	Micro Channel 16-bit	Micro Channel 16-bit	Micro Channel 16-bit	Micro Channel 32-bit
2MB-18MB	1MB-2MB	2MB-8MB	2MB-8MB	2MB-8MB	2MB-8MB (-031) 4MB-8MB (-061, -121) 16MB
18MB	16MB	16MB	16MB	16MB	
Yes VGA Yes Yes—LCD Yes No Optional <sup>8</sup> No Yes Yes	Yes VGA Yes No Yes Optional Optional Yes Yes Yes	Yes VGA Yes No Yes Optional Optional Yes Yes Yes	Yes VGA Yes No Yes Optional Token-Ring or Ethernet Yes Yes Yes	Yes VGA Yes No Yes Standard Optional Yes Yes Yes	Yes VGA Yes Yes/gas plasma Yes Optional Optional No Yes Yes
1.44MB/1	1.44MB/2	1.44MB/1	0/1 (1.44MB)	1.44MB/2	1.44MB/1
60	30 (-031) 60 (-061)	30 (-031) 60 (-061)	0-60	60-1GB (-061) 120-1.1GB (-121) 320-1.28GB (-321)	30 (-031) 60 (-061) 120 (-121)
19ms	39ms (30MB) 27ms (60MB)	39ms (30MB) 27ms (60MB)	32ms (30MB) 23ms (60MB)	23ms (60MB, 120MB) 12.5ms (320MB)	19ms (30MB) 27ms (60MB) 23ms (120MB)
None <sup>9</sup>	3	3	2	7	2 <sup>6</sup>
Rechargeable battery pack; AC Adapter	94-watt	90-watt	90-watt	250-watt	85-watt
3.3, 4.0 SE, EE 1.3 No	3.3, 4.0 SE, EE 1.2, 1.3 No	3.3, 4.0 SE, EE 1.2, 1.3 1.2.1 (-061)	3.3, 4.0 No <sup>7</sup> No	3.3, 4.0 SE, EE 1.2, 1.3 1.2.1	3.3, 4.0 SE, EE 1.2, 1.3 1.2.1 (-061, -121)

<sup>6</sup>One full-size, one half-size; 8525-L01, -L04 models use half-size slot for Token-Ring Adapter.

<sup>7</sup>OS/2 client support will be available in a future release of OS/2 LAN Server.

<sup>8</sup>IBM intends to provide connectivity to IBM networks using the L40 SX's external expansion port and Personal Computer AT versions of the 3278/3279 Emulation Adapter, the 5250 Emulation Adapter, and the Token-Ring Network 16/4 Adapter.

<sup>9</sup>Has an AT bus external expansion port instead.

<sup>10</sup>Two full-size; two half-size.



### 70 386

8570-E61, -061, -121,  
-A61, -A21

80386/i486™<sup>1</sup>  
80387  
16 (-E61)  
20 (-061, -121)  
25 (-A61, -A21)

64KB (-A61, -A21)

Micro Channel  
32-bit

2MB-6MB (-E61, -061, -121)  
2MB-8MB (-A61, -A21)  
16MB

Yes  
VGA  
Yes  
No  
Yes  
Optional  
Optional  
Yes  
Yes  
Yes

1.44MB/2

60 (-E61, -061, -A61)  
120 (-121, -A21)

27ms (60MB)  
23ms (120MB)

3

132-watt

3.3, 4.0  
SE, EE 1.2, 1.3  
1.2.1

### 70 486

8570-B61, -B21

i486  
Built-in  
25

8KB

Micro Channel  
32-bit

2MB-8MB

16MB

Yes  
VGA  
Yes  
No  
Yes  
Optional  
Optional  
Yes  
Yes  
Yes

1.44MB/2

60 (-B61)  
120 (-B21)

27ms (60MB)  
23ms (120MB)

3

132-watt

3.3, 4.0  
SE, EE 1.2, 1.3  
1.2.1

### P75 486

8573-161, -401

i486  
Built-in  
33

8KB

Micro Channel  
32-bit

8MB-16MB

16MB

Yes  
XGA  
Yes  
Yes/gas plasma  
Yes  
Standard  
Optional  
Yes  
Yes  
Yes

1.44MB/1

160 (-161)  
400 (-401)

16ms (160MB)  
11.5ms (400MB)

4<sup>10</sup>

120-watt

3.3, 4.0  
SE, EE 1.2, 1.3  
1.2.1

### 80 386

8580-081, -161, -321,  
-A16, -A31

80386  
80387  
20 (-081, -161, -321)  
25 (-A16, -A31)

64KB (-A16, -A31)

Micro Channel  
32-bit

2MB-4MB (-081, -161, -321)  
4MB-8MB (-A16, -A31)  
16MB

Yes  
VGA  
Yes  
No  
Yes  
Standard  
Optional  
Yes  
Yes  
Yes

1.44MB/2

80-1.04GB (-081)  
160-1.12GB (-161, -A16)  
320-1.28GB (-321, -A31)

17ms (80MB)  
16ms (160MB)  
12.5ms (320MB)

7

225-watt  
242-watt (-A16, -A31)

3.3, 4.0  
SE, EE 1.2, 1.3  
1.2.1

### 90 XP 486

8590-0J5, -0J9, -0KD

i486  
Built-in  
25 (-0J5, -0J9)  
33 (-0KD)

8KB (256KB optional)

Micro Channel  
32-bit

4MB-32MB

32MB

Yes  
XGA  
Yes  
No  
Yes  
Standard  
Optional  
Yes  
Yes  
Yes

1.44MB/2

80-720 (-0J5)  
160-800 (-0J9)  
320-960 (-0KD)

17ms (80MB)  
16ms (160MB)  
12.5ms (320MB)

3

194-watt

3.3, 4.0  
SE, EE 1.2, 1.3  
1.2.1

### 95 XP 486

8595-0J9, -0JD, -0KD

i486  
Built-in  
25 (-0J9, -0JD)  
33 (-0KD)

8KB (256KB optional)

Micro Channel  
32-bit

4MB-32MB

32MB

Yes  
XGA  
Yes  
No  
Yes  
Standard  
Optional  
Yes  
Yes  
Yes

1.44MB/2

160-1.44GB (-0J9)  
320-1.6GB (-0JD, -0KD)

16ms (160MB)  
12.5ms (320MB)

6

329-watt

3.3, 4.0  
SE, EE 1.2, 1.3  
1.2.1

## IBM PS/2 options

Personal System/2 Model	Part no.*	25	25 286	30 286	L40 SX	50 Z	55 SX	55 LS	65 SX	P70 386	70 386	70 486	P75 486	80 386	90 XP 486	95 XP 486
Processors/co-processors																
486/25 Power Platform (upgrade)	6450876										■					
486/33 Processor Upgrade	6451094														■	■
PS/2 Wizard Adapter	34F3062										■	■	■	■	■	■
Memory																
128KB Memory Expansion	78X8955	■														
Multifunction Adapter	30F5364			■												
1–8MB 80286 Memory Expansion Option	6450685					■	■	■	■							
2–8MB 80286 Memory Expansion	6450609					■	■	■	■							
2–8MB 80386 Memory Expansion	6450605									■	■	■	■	■		
Enhanced 80386 Memory Expansion 2MB	34F3077									■	■	■		■		
Enhanced 80386 Memory Expansion 4MB	34F3011									■	■	■		■		
Storage devices																
3.5-inch 720KB Diskette Drive	**	■														
3.5-inch 1.44MB Diskette Drive	**		■	■		■		■	■		■	■		■	■	■
5.25-inch Internal Diskette Drive	**								■					■	■	■
5.25-inch External Diskette Drive (360KB)	4869001	■	■	■		■	■	■	■	■	■	■	■	■	■	■
5.25-inch External Diskette Drive (1.2MB)	4869002					■	■	■	■	■	■	■	■	■	■	■
20MB Fixed Disk	**	■	■	■												
30MB Fixed Disk	**		■	■				■								
60MB Fixed Disk	6451084							■								
80MB SCSI Fixed Disk	6451045								■					■	■	■
160MB SCSI Fixed Disk	6451046								■					■	■	■
320MB SCSI Fixed Disk	6451108								■					■	■	■
400MB SCSI Fixed Disk Drive	6451081								■					■	■	■
CD-ROM Drive (Internal)	6451113								■					■	■	■
External CD-ROM Drive	3510001					■	■	■	■	■	■	■	■	■	■	■
2.3GB SCSI Tape Drive	6451121															■
6157 Streaming Tape Drive	6157001/2	■	■	■		■	■	■	■	■	■	■	■	■	■	■
Internal Tape Backup Unit	30F5279					■			■		■	■		■	■	■
Connectivity																
Token-Ring Network Adapter II	25F9858	■	■	■												
Token-Ring Network Adapter/A	69X8138					■	■	■	■	■	■	■		■	■	■
P70 386 Token-Ring Adapter/A	39F9598									■			■			
Token-Ring Network 16/4 Adapter	25F7367	■	■	■												
Token-Ring Network 16/4 Adapter/A	16F1133					■	■	■	■	■	■	■	■	■	■	■
Token-Ring Network 16/4 Busmaster																
Server Adapter/A	74F4140					■	■	■	■	■	■	■	■	■	■	■
Token-Ring Network 16/4 Trace and																
Performance Adapter	74F5121		■	■												
Token-Ring Network 16/4 Trace and																
Performance Adapter/A	74F5130					■	■	■	■	■	■	■	■	■	■	■
Adapter/A for Ethernet Networks	6451091					■	■	■	■	■	■	■	■	■	■	■
PC Network Broadband Adapter II	1501220	■	■	■												







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